

RF modem unit – Operational Description

The CR012 RF modem is capable of transmitting data between two or more vehicles or Fuel stations.

Unique ID code allows more than 300 units to be networked at the same time. The less than 1 mW transmission power makes it very safe to use on every environment.



Technical Data:

- Freq. 433.92 MHz
- Modulation FSK (F3B)
- Deviation 100 KHz pp.
- Sensitivity -100dBm.
- Signal to noise 12 dB.
- Range 150 meters (Free space radius)
- Antenna Schot
- Half duplex transmission with data compression.
- Baud rate 9,600 BPS. from host to unit and 5,000 BPS on air.
- Protocol RS232
- Handshaking method by busy signal TTL / Cmos Levels
- Unique Burned Id. # code for networking usage.
- DSP. For a very low signal to noise ratio.
- Operating voltage : 8-19 volt.
- Current consumption:
 - Transmission: 48 mA.
 - Receiving: 30 mA.
 - Stand by :(Sleep) 15 mA.
- Weight: 85 gr. (Without cables)
- Dimension: 82 x 85 x 27 mm.
- Telephone 6 pins communication connector.
- Operating Temperature range - 40 to + 80 Deg.
- SMT component technology.
- Packed in an aluminum black chassis.